

ARCHITECTURE PORTFOLIO

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MOLLY KASE

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OBJECTIVE

To obtain a job or internship in the field of architecture.

WORK & VOLUNTEER EXPERIENCE

- Employee at Bergmann Associates (2018 to Present)
- Employee at Young & Wright Architectural (2017 to 2018)
- Employee at Bruegger's Bagels (2015 to 2017)
- Volunteer work on behalf of Rochester Catholic Diocese (2009 to 2015)

ACADEMICS

Alfred State College

- Anticipated Graduation May 2020
- Anticipated Degree(s) Five Year Bachelor of Architecture and Individual Studies Associates Degree in the field of Architectural History
- Attending as a Recipient of the Presidential Scholarship

Brighton High School

- Graduated June 2015
- Awarded Diploma with Mastery in Mathematics and Science Upon Graduation

AWARDS & ACHIEVEMENTS

Member of the Phi Kappa Phi National Honors Society (2017 to Present)

Dean's List Recipient at Alfred State College (2015 to Present)

Honors Program Participant at Alfred State College (2015 to Present)

Recipient of the Presidential Scholarship at Alfred State College (2015 to Present)

Student of the Advanced Science, Social Studies, Spanish, and English Programs at Brighton High School (2010 to 2015)

Advanced Placement Credit in the Courses of Biology, Physics, Literature & Composition, Language & Composition, World History, United States History, and Spanish Language & Culture

Awarded Mastery in Mathematics and Science Upon Graduation from Brighton High School (2015)

Advanced Placement Scholar with Distinction (2015)

Advanced Placement Scholar with Honor (2014)

ATHLETICS

Member of the Alfred State Hunt Seat Team (2015 to Present)

Brighton High School Indoor Track and Field Captain (2014 to 2015)

Brighton High School Outdoor Track and Field Captain (2014 to 2015)

NYS Class B State Semifinalist for Field Hockey at Brighton High School (2014)

Section V Class B Section Champions for Field Hockey at Brighton High School (2013 & 2014)

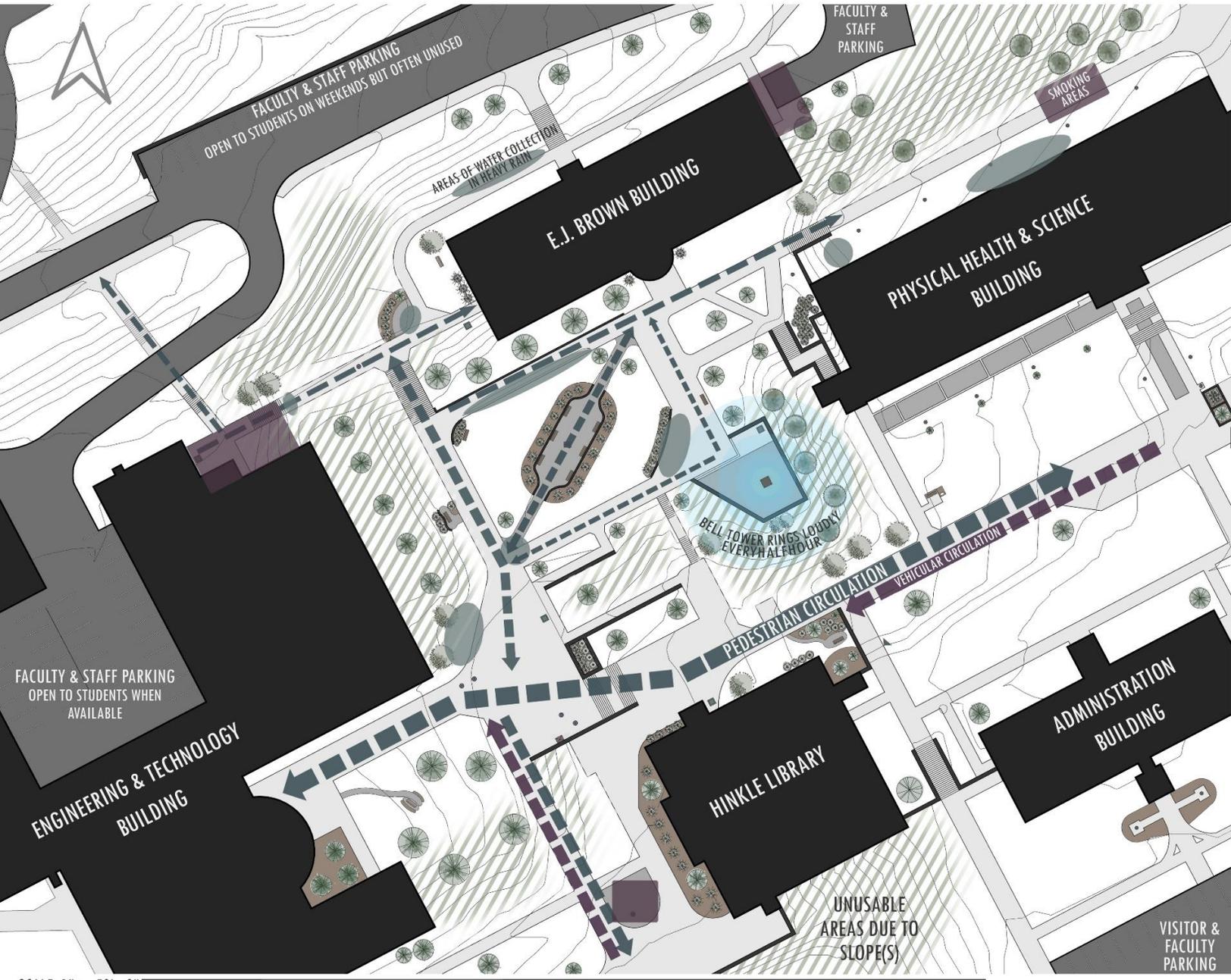
NYS Western Regional Champions for Field Hockey at Brighton High School (2013 & 2014)

NYS Class B State Finalist for Field Hockey at Brighton High School (2013)

Second Team All-County for Field Hockey at Brighton High School (2013)

ALFRED STATE COLLEGE COMMONS REDESIGN

PHASE ONE: SITE ANALYSIS



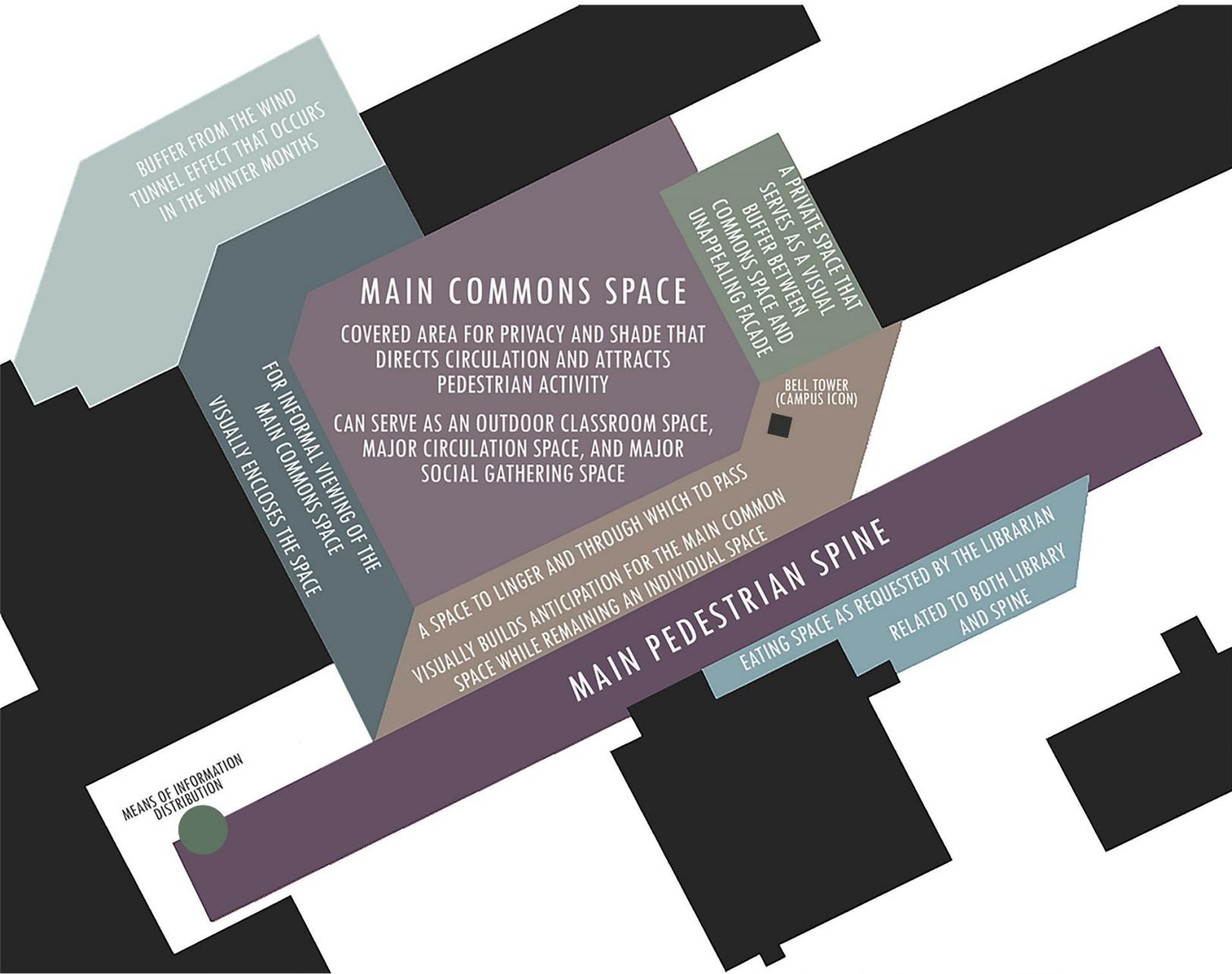
SCALE: 1" = 50' - 0"

NOTES

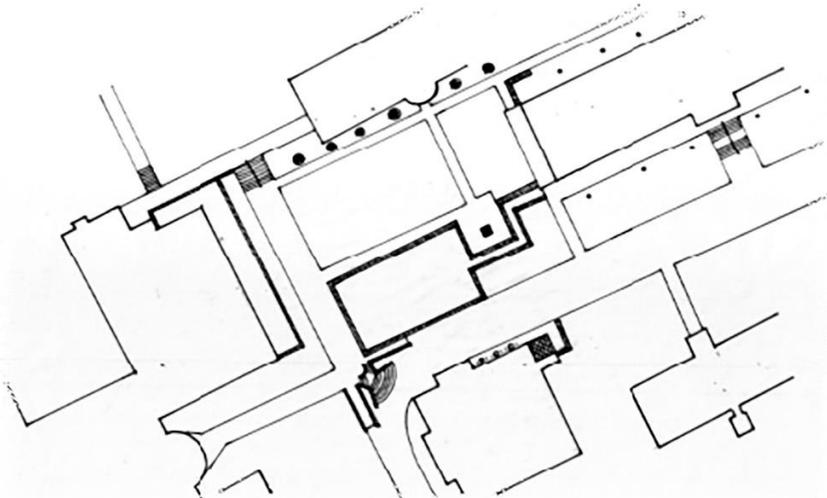
- While a commons area at a college usually serves as a place for students to congregate and spend their free time, the commons area at Alfred State College is used get from one place to another and nothing more. The time spent in this space is limited to how long it takes the pedestrian to reach their destination. Pedestrian circulation is often purposeful and direct and rarely lingers.
- Paved, prescribed circulation paths are inconvenient, awkward, and appear to have no purposeful reason for their placement.
- The ramp located to the east of the Bell Tower is not to code, awkwardly placed, and rarely-- if ever-- used.
- The Bell Tower, while an iconic part of the college, rings every half hour incredibly loudly, which is a discouraging factor to anyone considering spending time in the space.
- There are very few spaces to spend time, and those that exist are often in the middle of circulation.
- The area is very poorly lit after dark, with none of the lampposts ever turned on and the only available light coming from the buildings. This makes it a very undesirable place to be after sunset.
- The area collects a lot of water during heavy rainfall, enough that much of the site becomes unusable.
- Because of the placement of structures, wind tunnels are formed in between EJ Brown and the Engineering & Technology Building, the Physical Health & Science and EJ Brown buildings, and Engineering & Technology & Hinkle Library buildings. In winter, this wind is bitterly cold and highly unpleasant.

ALFRED STATE COLLEGE COMMONS REDESIGN

PHASE TWO: SCHEMATIC DESIGN

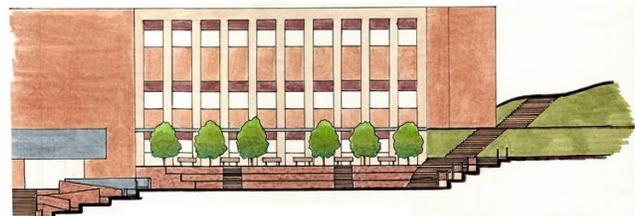
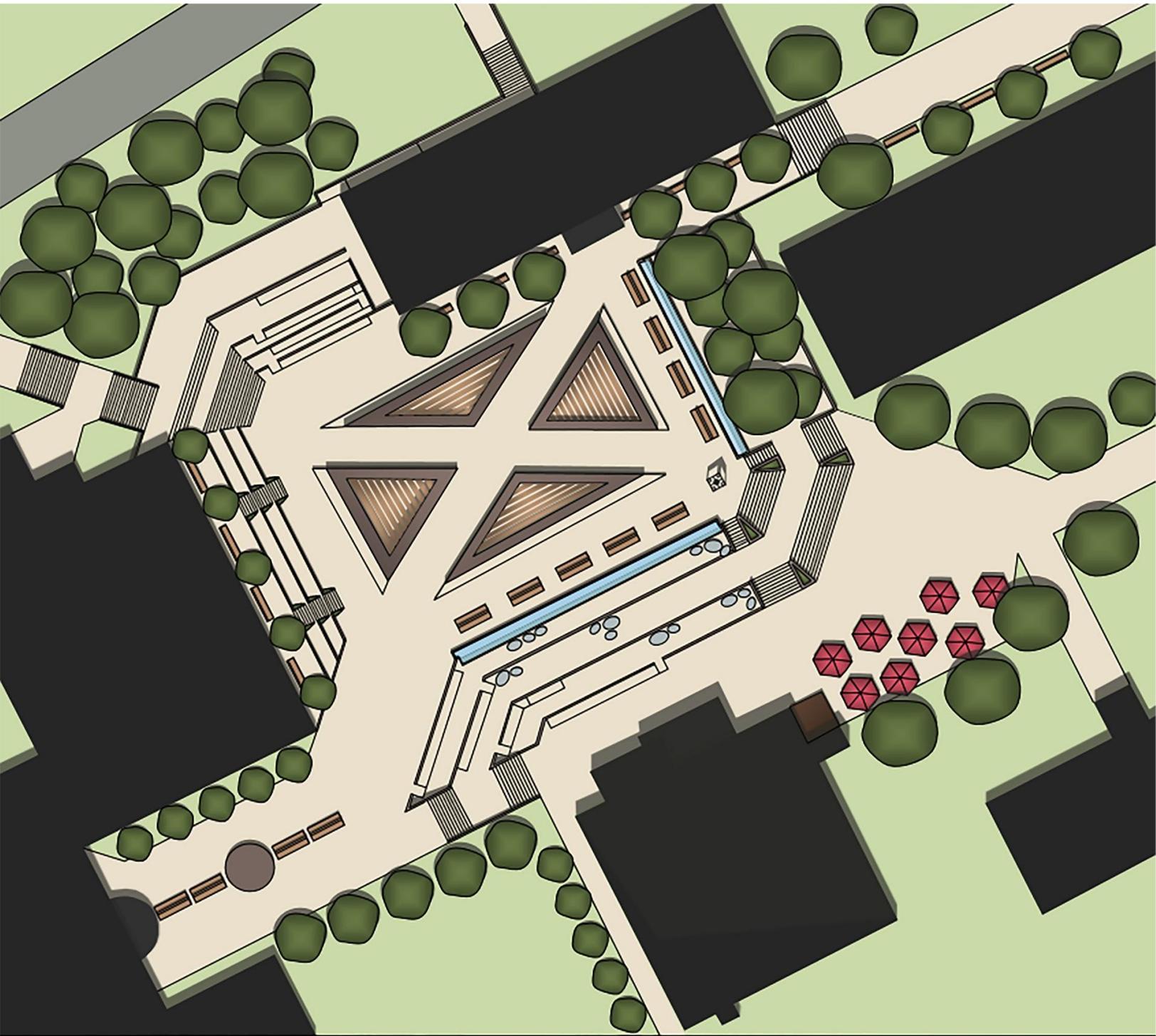


EARLY DESIGN CONCEPTS



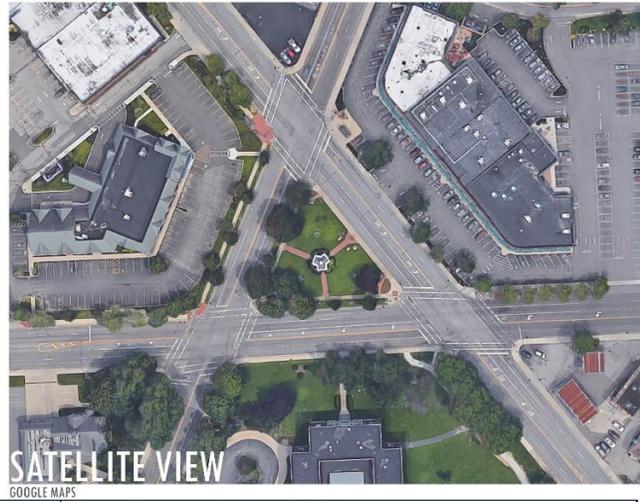
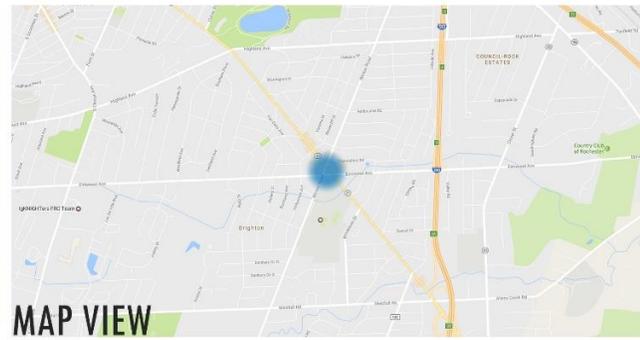
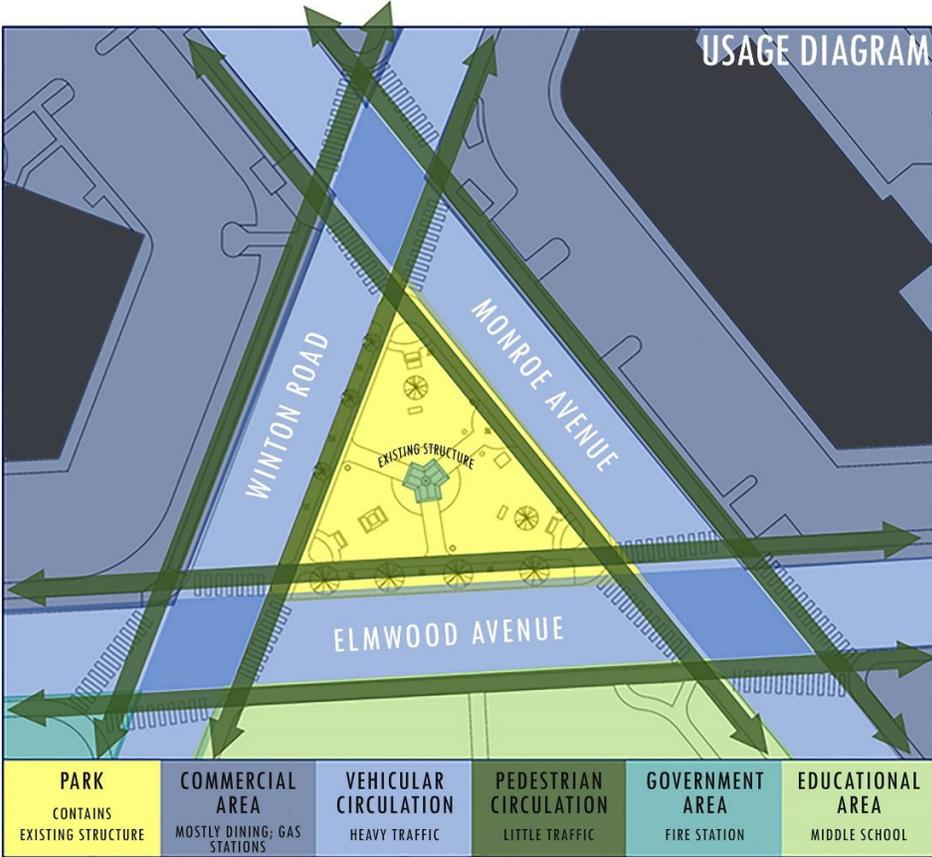
ALFRED STATE COLLEGE COMMONS REDESIGN

PHASE THREE: FINAL DESIGN



AN "IN-VISIBLE" REFUGE

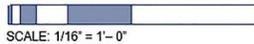
PHASE ONE: SITE ANALYSIS



IMAGES OF THE SITE



SITE ANALYSIS PLAN



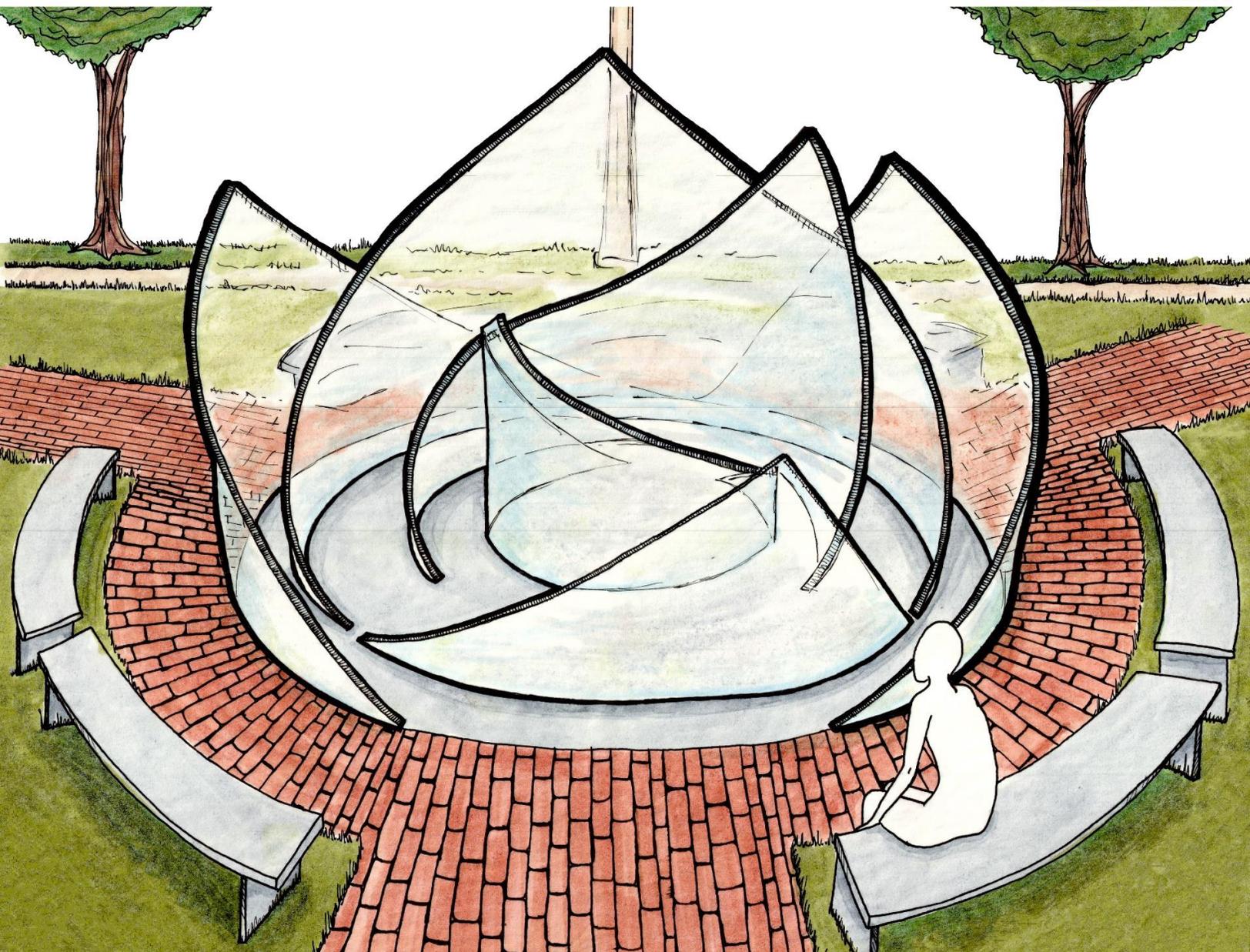
NOTES

- Majority of circulation is vehicular. Most pedestrian circulation is from the schools nearby.
- Both vehicular and pedestrian circulation is heaviest from 7-9am and 4-6pm.
- There are stoplights at each intersection. Between 7-9am and 3-4pm on weekdays, there are also walking guards to protect students who walk to school.
- The fire station located in the Southwest corner occasionally impedes circulation.
- Due to the surrounding restaurants, there are a wide variety of smells transferred to the space.



AN "IN-VISIBLE" REFUGE

FINAL DESIGN



CONCEPT STATEMENT

The primary function of the structure is to inspire reflection and contemplation in the viewer. However, most of the viewers would be in cars, and the pedestrians use the area as a means for circulation rather than for congregation. As a result, the space is very rarely utilized. Therefore, the structure must inspire reflection, but from a distance. This greatly influenced the design, as a greater emphasis was placed on the artistic elements of the structure rather than the functional elements. The artistic element would also encourage passersby to pause and look at the structure, therefore increasing use of the park space.

The form of this design was inspired by flame, while the arrangement was inspired by a flower and its radiating petals, creating an interesting duality and paradox that allows for the concept of the structure to be subjective and therefore open to interpretation by the viewer—inspiring reflection and contemplation as the viewer determines what the sculpture means to them personally. Since the structure does not allow internal circulation, and even though there are very few people who congregate in this space, the surrounding landscape also had to be designed to accommodate any congregation or circulation.



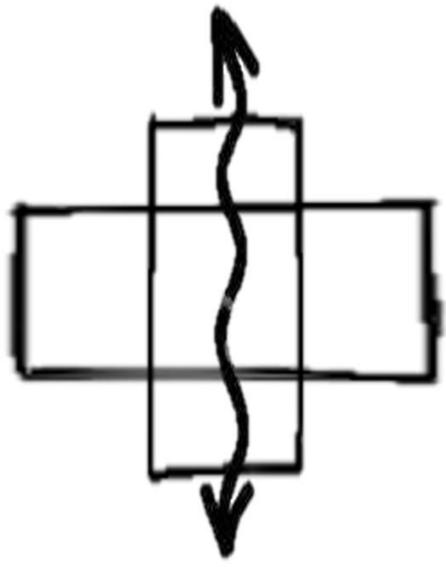
ZERO-ENERGY MODULAR HOME



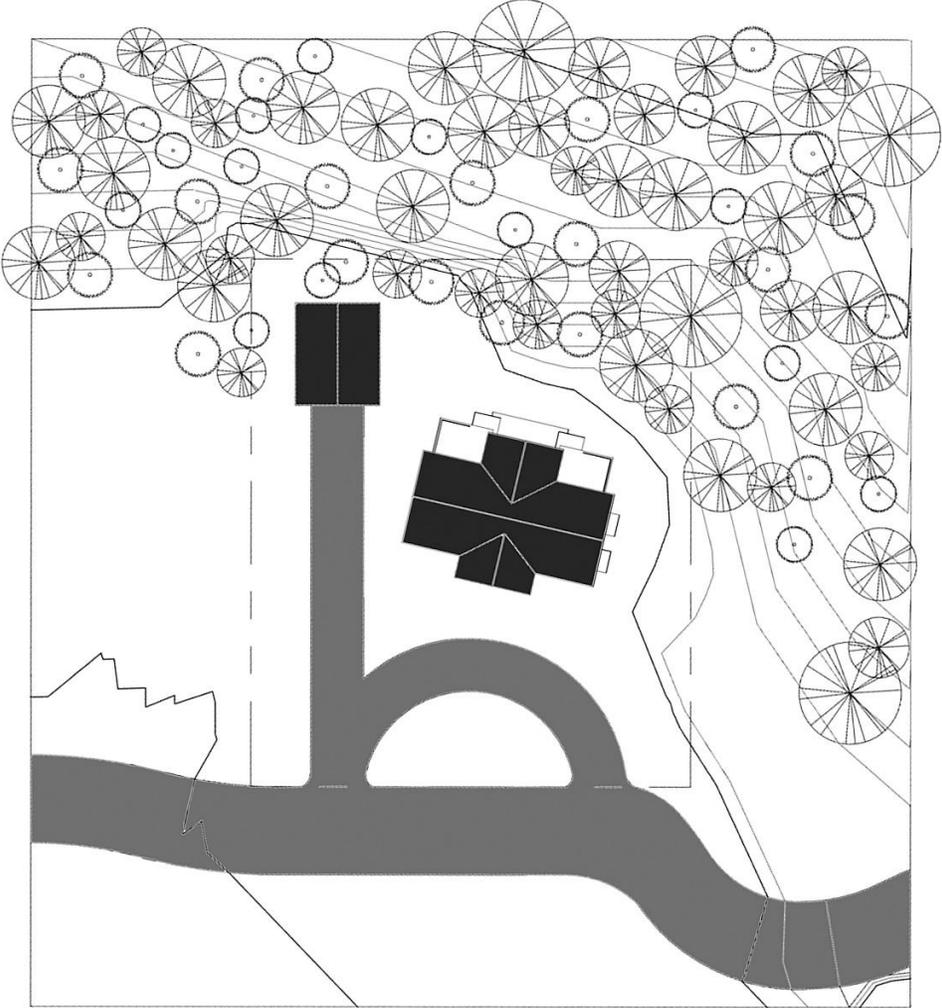
CONCEPT STATEMENT

Inspired by the luxury penthouse apartments of the big city fused with a traditional countryside lodge of the small towns in Allegheny county, this Zero-Energy Modular Home (ZEMH) was conceived as a replacement for currently existing sub-standard homes.

The most prominent feature of the home is the cruciform plan, which includes a central breeze-way with a peaked ceiling and exposed beam system that facilitates natural air movement. The central area serves as a public space, consisting of an entryway, kitchen, dining space, living space, and culminating in a back deck. Branching off from this central area are the more private spaces, namely the bedrooms and bath.



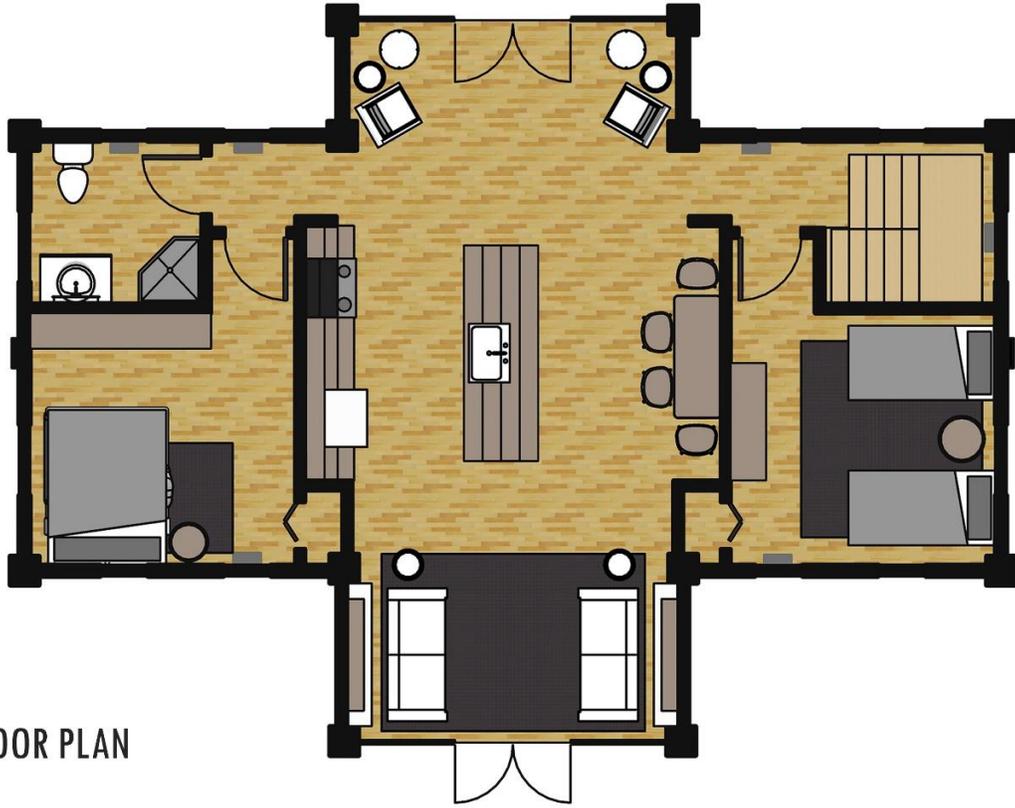
PARTI DIAGRAM



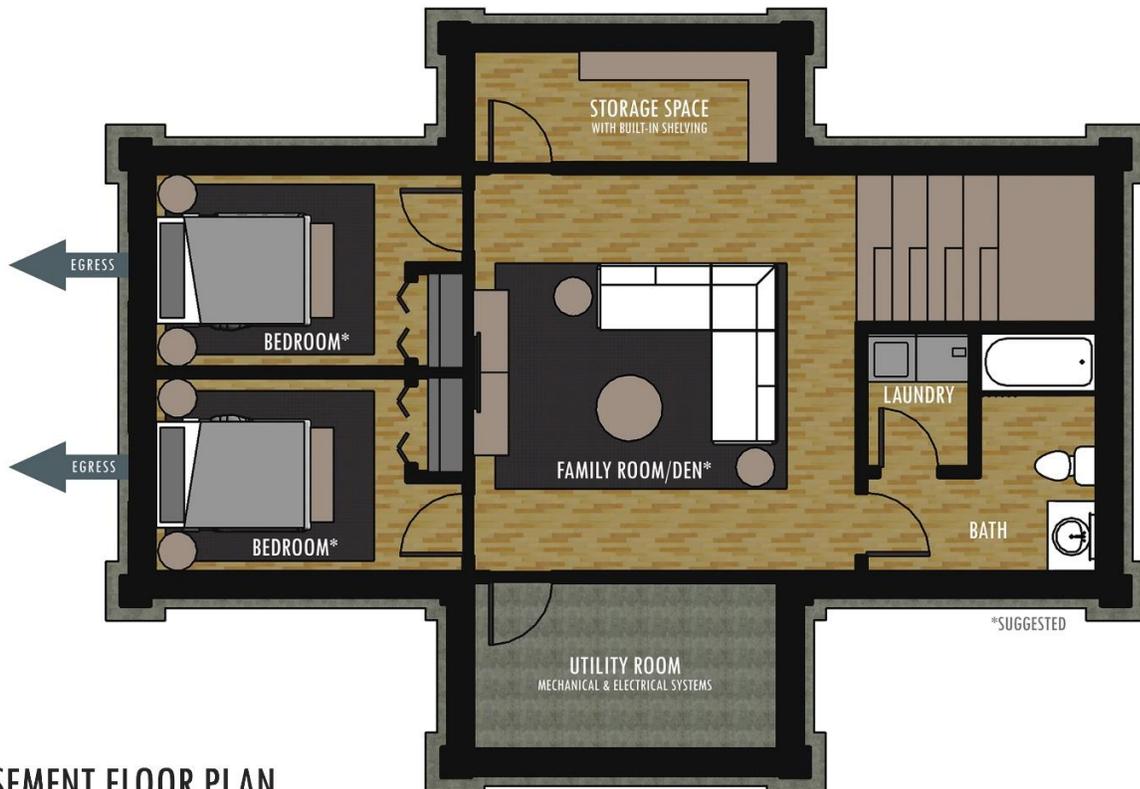
SITE PLAN SCALE: 1" = 30' - 0"

Located in Allegheny County, New York, this ZEMH was designed to blend in to the natural scenery that is prevalent in the area – rolling hills, winding roads, and plentiful vegetation. The home is located on the apex of a small hill– the focal point of the site. The irregular orientation of the home along a Northeastern/Southwestern axis allows for summer winds to pass through the central space and create natural ventilation.

ZERO-ENERGY MODULAR HOME



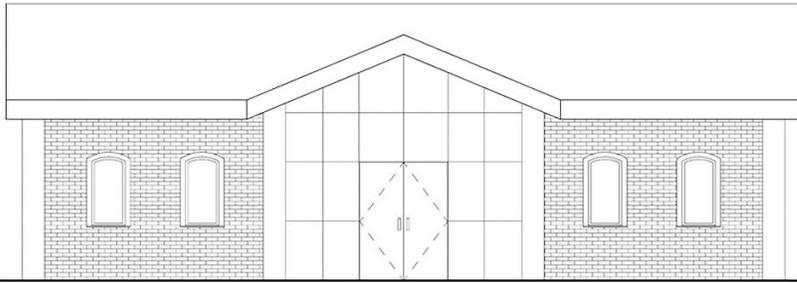
GROUND FLOOR PLAN



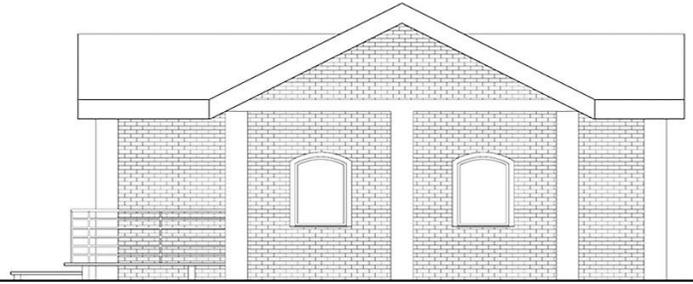
BASEMENT FLOOR PLAN



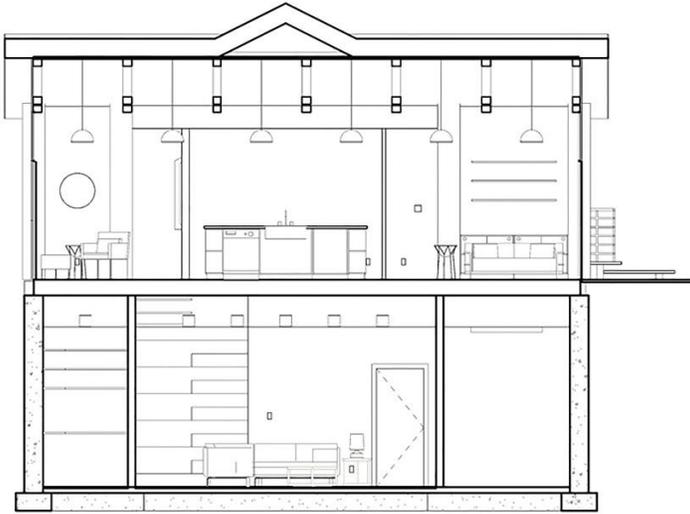
ZERO-ENERGY MODULAR HOME



NORTHEAST ELEVATION



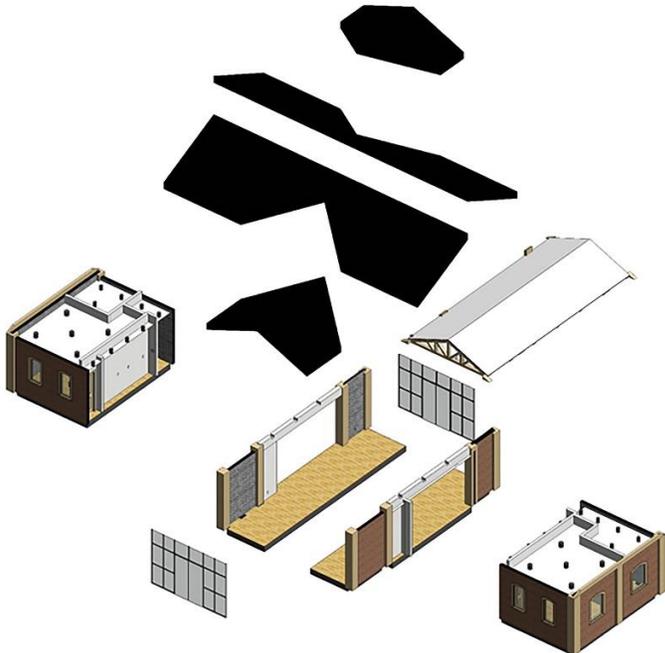
SOUTHEAST ELEVATION



SECTION I



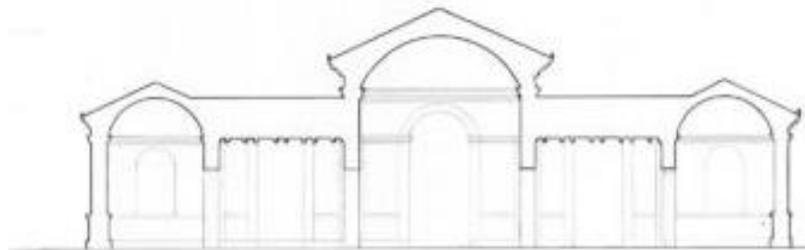
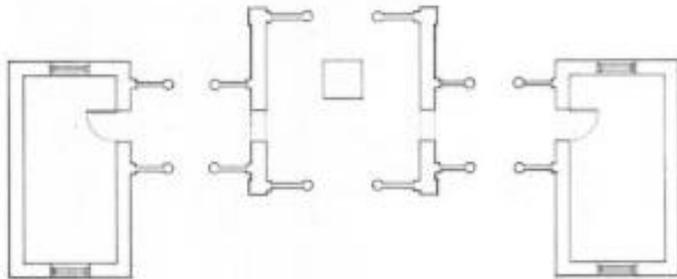
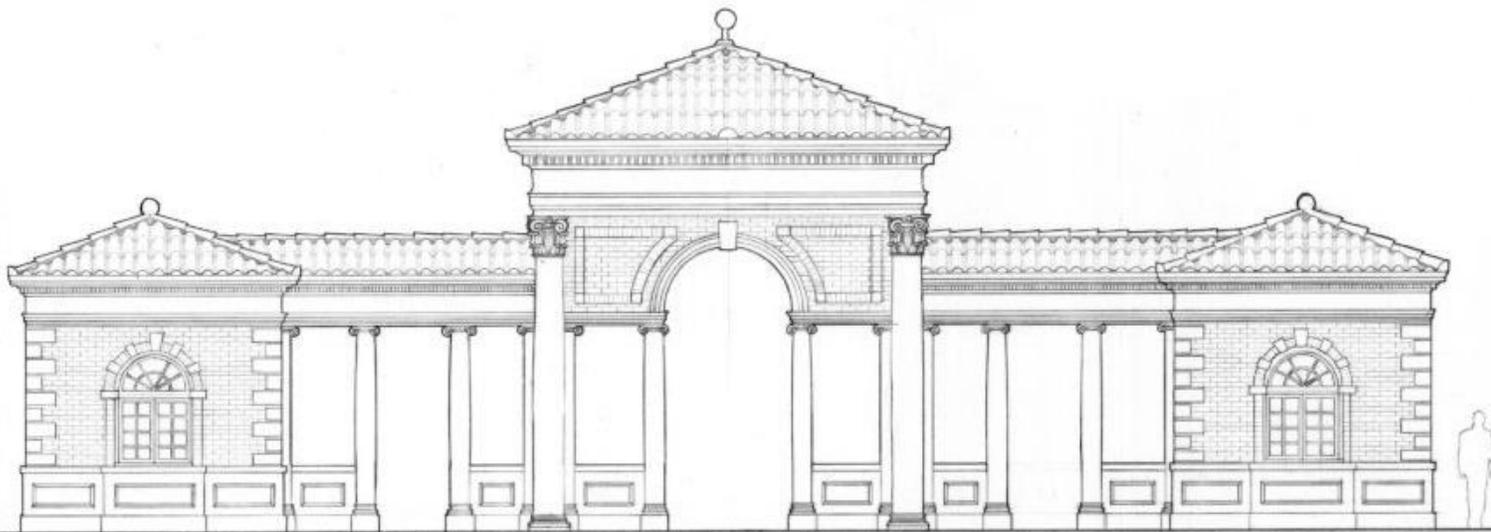
SECTION II



MODULAR COMPONENTS

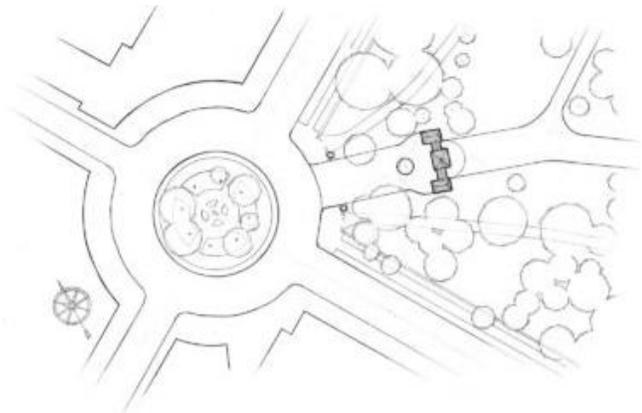


PROSPECT PARK MEMORIAL PAVILION



PROJECT BACKGROUND

Prospect Park, designed by renowned landscape architects Frederick Law Olmstead and Calvert Vaux, is the crown jewel of its Brooklyn neighborhood, and arguably of Brooklyn itself. There are many entrances allowing access to the 526-acre park—most notably Grand Army Plaza, which features the Soldiers and Sailors’ Memorial Arch. Another entrance, however, is the Bartel-Pritchard Circle entrance, which pales when compared with the majesty of Grand Army Plaza.



PROJECT SUMMARY

During the course of this project, I was tasked with designing a pavilion for this entrance to address the issue of its lack of monumentality and its tendency to be overlooked for the might and majesty of the triumphal arch just east of this entrance. This project called for the pavilion to stand as both a place for refuge and a place to spend time but also to act as a gateway to the park.

CONCEPT STATEMENT

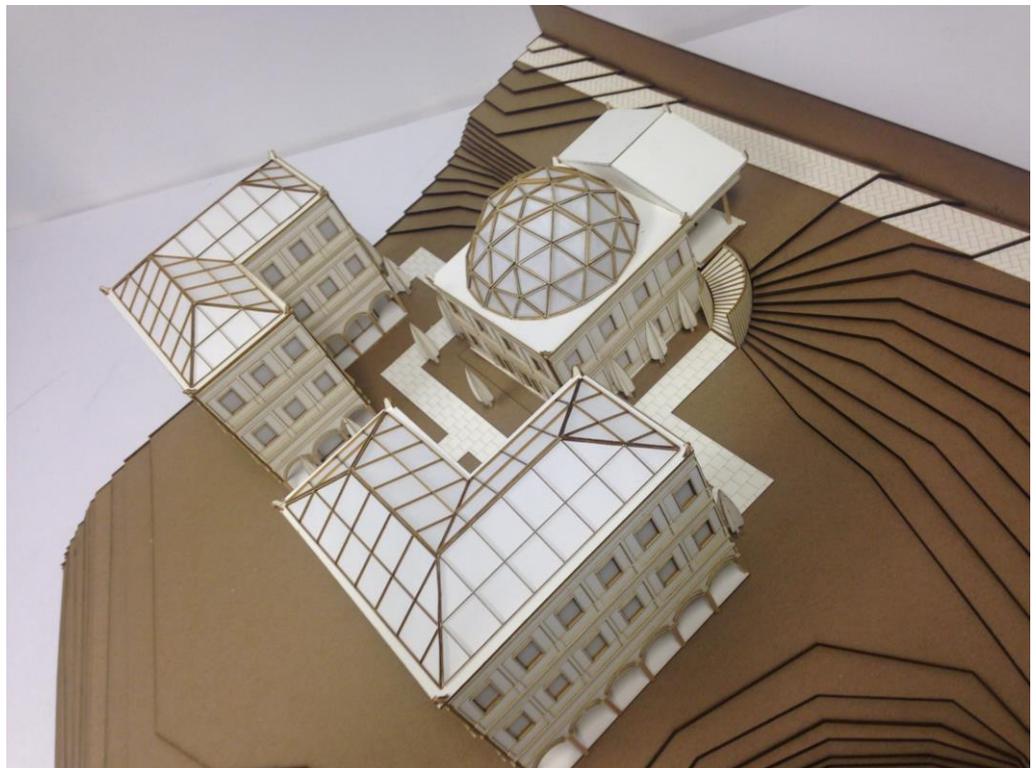
The pavilion design was inspired by the works of Palladio—especially his villas, which inspired the concept of the five façade components (the central gateway, the two flanking gateways, and the two adjacent structures). It was also inspired on more of an aesthetic level by a home found in Prospect park that features elaborate column capitals, brick walls, and terra cotta barrel roof tile.

SORRENTO VISITING ARTISTS' CENTER MODEL



PROJECT SUMMARY

In preparation for studying abroad in Sorrento, Italy, this project was an investigation into the vernacular architecture of the region. During the research stage of this project, I studied prominent Italian architects of the last decades, and was especially inspired by the works of Antonio Cardillo, Massimiliano Fuksas, and Cini Boeri. I combined this with my ardent interest in traditional classical architecture to create a complex comprised of three buildings: one main administration building and two buildings that included gallery space and apartments and studios for the artists.



SORRENTO VISITING ARTISTS' CENTER MODEL

